

40. (New) The process according to claim 39 wherein the controlling comprises altering the pressure distribution perpendicular to the woven material and across at least one of a width and a length of the woven material.

41. (New) The process according to claim 20 wherein the direction of the pressure drop across the woven material is controlled through the use of butterfly valves positioned beneath the woven material.

42. (New) The process according to claim 20 wherein the woven material is maintained in a relaxed state throughout at least a portion of the process for producing a woven material with a particulate solid incorporated therein.

43. (New) The process according to claim 42 wherein the woven material comprises a plurality of gaps and the relaxed state is achieved by minimizing expansion of the gaps throughout at least a portion of the process.

44. (New) The process according to claim 44 wherein the woven material is maintained in the relaxed state through use of picker fingers.

45. (New) The woven material according to claim 1, wherein the incorporated particulate solid comprises at least 70% of the combined weight of the woven material and the particulate solid.

46. (New) The woven material according to claim 1, wherein the incorporated particulate solid comprises about 1% to about 70% of the combined weight of the woven material and the particulate solid.

47. (New) The process according to claim 20, wherein the incorporated particulate solid comprises at least 70% of the combined weight of the woven material and the particulate solid.

48. (New) The process according to claim 20, wherein the incorporated particulate solid comprises about 1% to about 70% of the combined weight of the woven material and the particulate solid.